LG
Life's Good

OWNER'S MANUAL

# DVD Receiver System

MODEL
HT355SD (HT355SD, SH35SD-S/W)

P/NO : MFL63284704

HT355SD-A2_DZAFLLK_4704.indd 1 2009-12-02 ¿ÀÈÄ 3:51:47

# 1 Safety Information

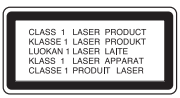
**CAUTION**: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

**WARNING:** Do not install this equipment in a confined space such as a book case or similar unit.




**CAUTION:** This product employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Shall the unit require maintenance, contact an authorized service center.

Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

**CAUTION:** The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus.

**CAUTION concerning the Power Cord**

Most appliances recommend they be placed upon a dedicated circuit;

That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service center. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

This device is equipped with a portable battery or accumulator.

**Safe way to remove the battery or the battery from the equipment:**

Remove the old battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimburse ment system batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

## Copyrights

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission. This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs picture noise will appear. This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION ' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p UNIT, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

You have to set the disc format option to [Mastered] in order to make the discs compatible with the LG players when formatting rewritable discs. When setting the option to Live File System, you cannot use it on LG players.
(Mastered/ Live File System : Disc format system for Windows Vista)

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# 2 Preparation



## Unique Features

### Portable In

Listens to music from your portable device. (MP3, Notebook, etc)

### USB Direct Recording

Records music from CD to your USB device.

## Accessories

Please check and identify the supplied accessories.

FM/AM Antenna (1)

Remote Control (1)/ Battery (1)

Video Cable (1)

## Playable Discs

This unit plays DVD±R/RW and CD-R/RW that contains audio titles, DivX, MP3, WMA and/or JPEG files. Some DVD±RW/DVD±R or CD-RW/CD-R cannot be played on this unit due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.

| | |
|---|---|
| DVD VIDEO | DVD-VIDEO (8 cm / 12 cm disc) Discs such as movies that can be purchased or rented. |
| DVD R | DVD±R (8 cm / 12 cm disc) Video mode and finalized only |
| DVD RW | DVD-RW (8 cm / 12 cm disc) VR mode, Video mode and finalized only. |
| RW DVD+R | DVD+R: Video mode only |
| RW DVD+ReWritable | DVD+RW (8 cm / 12 cm disc) Video mode and finalized only |
| COMPACT disc DIGITAL AUDIO | Audio CD: Music CDs or CD-R/CD-RW in music CD format that can be purchased |

"Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.
Manufactured under license from Dolby Laboratories.

### About the ⊘ Symbol Display

" ⊘ " may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that disc.

### Symbol Used in this Manual

| | |
|---|---|
| All discs and file listed below | ALL |
| MP3 files | MP3 |
| DVD and finalized DVD±R/RW | DVD |
| WMA files | WMA |
| DivX files | DivX |
| Audio CDs | ACD |
| JPG files | JPG |

### Regional Codes

This unit has a regional code printed on the rear of the unit. This unit can play only DVD discs labeled same as the rear of the unit or "ALL".

- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your unit's regional code; or the disc cannot play.
- If you try to play a DVD with a different regional code from your unit, the message "Check Regional Code" appears on the TV screen.

## Playable file Requirement

### MP3/ WMA music file requirement

MP3/ WMA file compatibility with this unit is limited as follows :

- Sampling frequency : within 32 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate : within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- Support Version : v2, v7, v8, v9
- Maximum files : Under 999
- File extensions : ".mp3"/ ".wma"
- CD-ROM file format : ISO9660/ JOLIET
- We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.

### Photo file requirement

JPEG disc compatibility with this unit is limited as follows :

- Max pixel in width : 2760 x 2048 pixel
- Maximum files : Under 999
- Some discs may not operate due to a different recording format or the condition of disc.
- File extensions: "jpg"
- CD-ROM file format : ISO9660/ JOLIET

### DivX file requirement

DivX file compatibility with this unit is limited as follows :

- Available resolution: within 720x576 (W x H) pixels.
- The file name of the DivX subtitle should be entered within 45 characters.
- If there is impossible code to express in the DivX file, it may be displayed as " _ " mark on the display.
- Frame rate : less than 30 fps
- If the video and audio structure of recorded files is not interleaved, either video or audio is outputted.
- Playable DivX file : ".avi", ".mpg", ".mpeg", ".divx"
- Playable Subtitle format : SubRip (*.srt/ *.txt), SAMI (*.smi), SubStation Alpha (*.ssa/ *.txt), MicroDVD (*.sub/ *.txt), SubViewer 2.0 (*.sub/ *.txt)
- Playable Codec format : "DIVX3.xx", "DIVX4. xx", "DIVX5.xx", "MP4V3", "3IVX".
- Playable Audio format : "AC3", "PCM", "MP3", "WMA".
- For Discs formatted in Live file system, you can not it on this unit.
- If the name of movie file is different from that of the subtitle file, during playback of a DivX file, subtitle may not be display.
- If you play a DivX file differ from DivXspec, it may not operate normally.

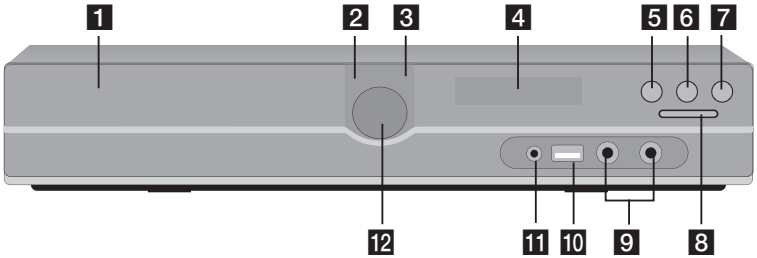
### Compatible USB Devices

- MP3 Player : Flash type MP3 player.
- USB Flash Drive : Devices that support USB2.0 or USB1.1.
- The USB function of this unit does not support some USB devices.

### USB device requirement

- Devices which require additional program installation connected to a computer, are not supported.
- Do not extract the USB device while in operation.
- For a large capacity USB, it may take longer than a few minute to be searched.
- To prevent data loss, back up all data.
- If you use a USB extension cable or USB hub, the USB device is not recognized.
- Using NTFS file system is not supported. (Only FAT(16/32) file system is supported.)
- This unit is not supported when the total number of files is 1000 or more.
- External HDD, Card readers, Locked devices, or hard type usb devices are not supported.
- USB port of the unit cannot be connected to PC. The unit can not be used as a storage device.

# Front panel




1 DVD/CD Disc Drawer

2 Power (⏻/ I)

3 Open/Close (⏏)

4 Display window

5 Play/Pause (▶/❚❚), MONO/ST.

6 Stop (■)

7 Function (F)
Selects the function or input source.

8 TUNING (-/+)(I◀◀ ▶▶I), Skip/Search
You can search by pressing and holding TUNING.

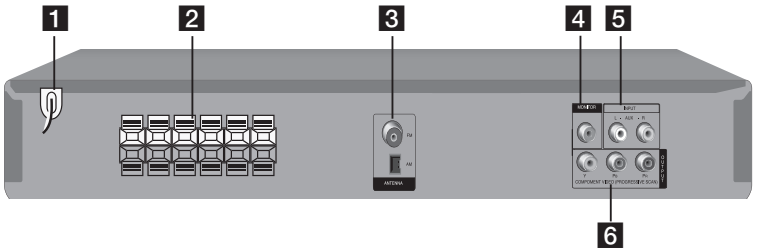
9 MIC 1, 2

10 USB port
You can play video, image and sound files by connecting the USB device.

11 P.(Portable) IN port
You can enjoy music from portable device on your unit.

12 Volume (VOL.)

# Rear panel




1 Power cord.

2 Speaker terminal

3 ANTENNA connector (FM, AM)

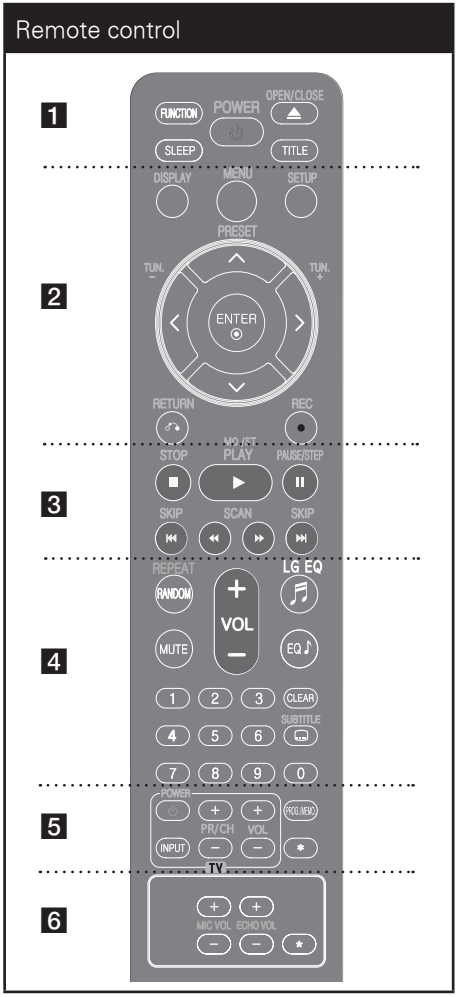
4 VIDEO OUT connector
Connect to a TV with video inputs.

5 AUX connector

6 COMPONENT VIDEO OUT (Y PB PR)
Connect to a TV with Y Pb Pr inputs.

# Remote Control

Remote control




**1**

**FUNCTION :** Selects the function and input source. (DVD/CD, USB, AUX, PORTABLE, FM, AM)

**SLEEP :** Sets the System to turn off automatically at a specified time. (Dimmer : The display window will be darken by half.)

**POWER :** Switches the unit ON or OFF.

**OPEN/CLOSE :** Opens and closes the disc Drawer.

**TITLE :** If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may not appear.

**2**

**DISPLAY :** Accesses On-Screen Display.

**MENU :** Accesses the menu on a DVD disc.

**SETUP :** Accesses or removes setup menu.

**PRESET (∧ ∨) :** Selects programme of Radio.

**TUN. (-/+) :** Tunes in the desired radio station.

**∧/∨/</> (up/ down/ left/ right):** Used to navigate on-screen displays.

**ENTER :** Acknowledges menu selection.

**RETURN (↶) :** Moves backwards in the menu or exits the setup menu.

**REC (●) :** USB Direct Recording.

**3**

**STOP (■) :** Stops playback or recording.

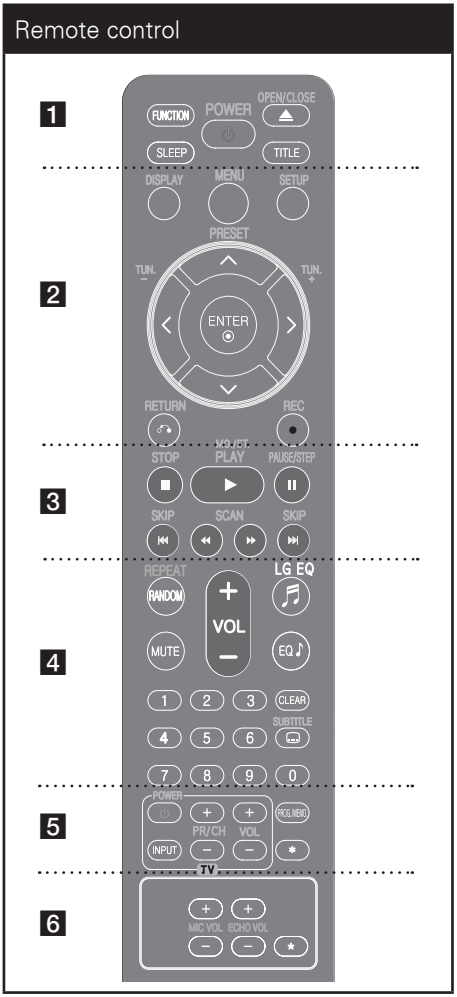
**PLAY (►), MO./ST. :** Starts playback. Selects Mono/ Stereo.

**PAUSE/STEP (❚❚) :** Pauses playback.

**SKIP (I◄◄ / ►►I) :** Goes to next or previous chapter/ track/ file.

**SCAN (◄◄/►►) :** Searches backward or forward.

## Remote control




**4**

**REPEAT/RANDOM :** Selects a play mode.(Random, repeat)

**MUTE :** Mutes the sound.

**VOL (Volume) (+/-) :** Adjusts speaker volume.

**LG EQ :** Selects a Natural or Local Specialization equalizer effect by using LG EQ.

**EQ (EQUALIZER effect) :** Chooses sound impressions.

**CLEAR :** Removes a track number on the Program List.

**SUBTITLE :** During playback, press **SUBTITLE** repeatedly to select a desired subtitle language .

**0-9 numerical buttons :** Selects numbered options in a menu.

**5**

**TV Control buttons :** Controls the TV. (LG TV only)

**Controlling the TV**

You can control the sound level, input source, and power switching of LG TVs as well. Hold POWER (TV) and press PR/CH (+/–) button repeatedly until the TV turns on or off.

**PROG./MEMO. :** Accesses or removes Program menu.

**6**

**ECHO VOL. :** Adjusts echo volume.

**MIC VOL. :** Adjusts microphone volume.

★ : This button is not available.

**Put the battery into the remote control.**

Make sure for the + (plus) and – (minus) on the battery to be matched on the remote control.

# 3 Installation

## Connecting the speakers



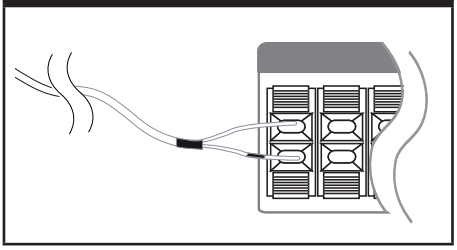
### Attaching the speakers to the unit

Connect the wires hooked up to the speaker to the unit.

To connect the cable to the unit, press each plastic finger pad to open the connection terminals on the unit. Insert the wire and release the finger pad.

Connect the black end of each wire to the terminals marked - (minus) and the other end to the terminals marked + (plus).

Speaker connection



**CAUTION**

Be careful to make sure children do not put their hands or any objects into the *speaker duct.
*Speaker duct : A hole for plentiful bass sound on speaker cabinet (enclosure).

### Positioning the System

The following illustration shows an example of positioning the system.

Note that the illustrations in these instructions differ from the actual unit for explanation purposes.

For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening position (Ⓐ).

Ⓐ Front left speaker (L)/ Ⓑ Front right speaker (R):
Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible.

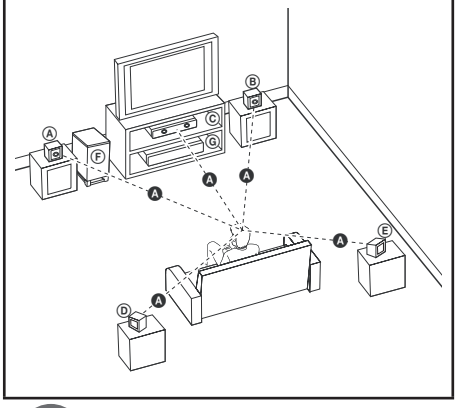
Ⓒ Center speaker: Place the center speaker above or below the monitor or screen.

Ⓓ Surround left speaker (L)/ Ⓔ Surround right speaker (R):
Place these speakers behind your listening position, facing slightly inwards.

Ⓕ Subwoofer: The position of the subwoofer is not so critical, because low bass sounds are not highly directional. But it is better to place the subwoofer near the front speakers. Turn it slightly toward the center of the room to reduce the wall reflections.

Ⓖ Unit

Speaker Positioning



**NOTE**

If the picture on nearby TV sets becomes magnetically distorted, keep the speaker away from your TV

# Connections to Your TV

Make one of the following connections, depending on the capabilities of your existing equipment.

**NOTE**

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Use only one of the connections described in this manual.
- Please refer to the manuals of your TV, Stereo System or other devices as necessary to make the best connections.

**CAUTION**

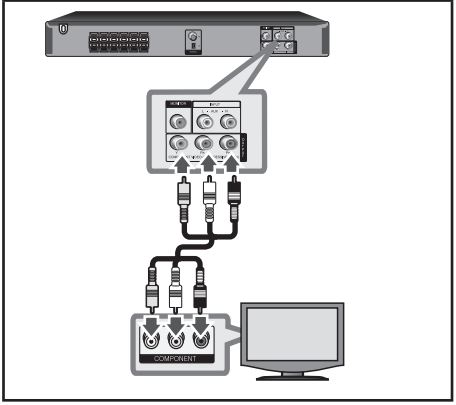
- Make sure the unit is connected directly to the TV. Tune the TV to the correct video input channel.
- Do not connect your unit via your VCR. The image could be distorted by the copy

## Component Video Connection

Connect the COMPONENT VIDEO (PROGRESSIVE SCAN) OUTPUT jacks on the unit to the corresponding input jacks on the TV using Y Pb Pr cables.

You can hear the sound through the system's speakers.

Component Video Connection




**NOTE**

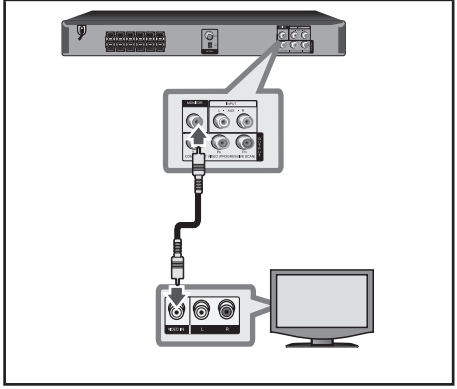
If your TV accepts progressive format signals, you must use this connection and set [Progressive Scan] in [Display] setup to [On] (See page 17).

## Video Connection

Connect the VIDEO OUT (MONITOR) jack on the unit to the video in jack on the TV using a video cable.

You can hear the sound through the system's speakers.

Video Connection

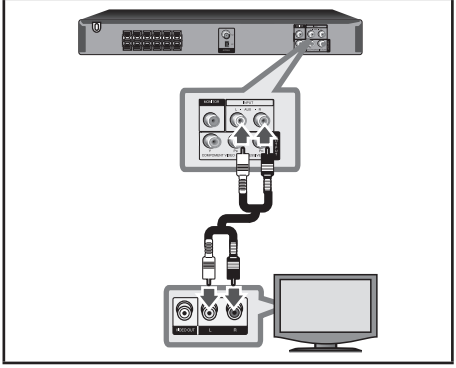


# Optional Equipment Connection

## AUX IN Connection

Connect an Output of auxiliary device to the AUX Input (L/R) Connector.
If your TV has only one output for audio (mono), connect it to the left (white) audio jack on the unit.

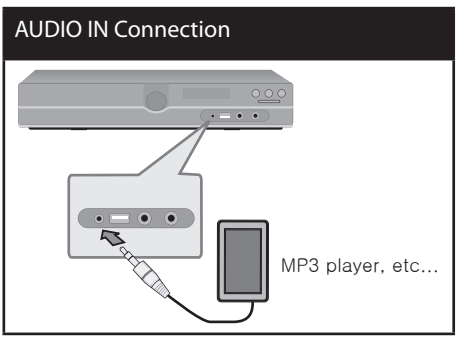
AUX IN Connection



## AUDIO IN (Portable IN) Connection

Connect an OUTPUT of portable device (MP3 or PMP etc) to the P. IN connector.

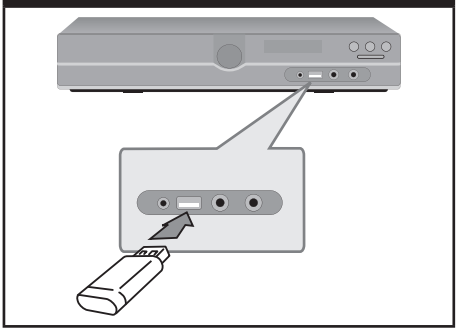
AUDIO IN Connection



## USB Connection

Connect the USB port of USB Memory (or MP3 player, etc.) to the USB port on the front of the unit.

USB Connection



**Removing the USB Device from the unit**

1.Choose a different function mode or press STOP (■) twice in a row.

2. Remove the USB device from the unit.

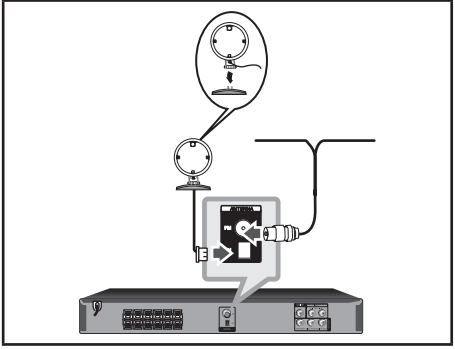
## Antenna Connection

Connect the supplied FM/AM antenna for listening to the radio.

Connect the AM Loop antenna to the AM antenna connector.

Connect the FM Wire antenna to the FM antenna connector.

Antenna Connection



**NOTE**

To prevent noise pickup, keep the AM Loop antenna away from the unit and other components.
Be sure to fully extend the FM wire antenna.
After connecting the FM wire antenna, keep it as horizontal as possible.

# Adjust the Setup settings

By using the Setup menu, you can make various adjustments to items such as picture and sound.
You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see pages 16 to 19.

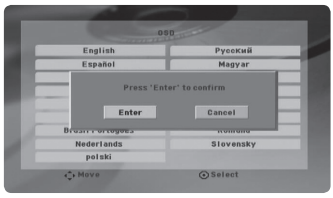


## OSD Initial language settings:

During the first use of this unit, the initial language setup menu appears on your TV screen. You must complete initial language selection before using the unit. English will be selected as the initial language.

1. Press **POWER** to turn the unit on. The language setup menu will appear on the screen.

2. Use ∧ ∨ < > to select a language then press **ENTER**.
   The confirm menu will appear.




3. Use < > to select the [Enter] then press **ENTER** to finish the language setup.

## To display and exit the Setup Menu

1. Select the DVD/CD or USB function by pressing **FUNCTION**.
2. Press **SETUP.**
   Displays the [SETUP] Menu.
3. Press **SETUP** or **RETURN** to exit in the [SETUP] Menu.

**About help menu for Setup**

| Menu | Buttons | Operation |
|---|---|---|
| ▲/▼ Move | ∧ ∨ | Moving to another menu. |
| ◄ Prev. | < | Moving to previous level. |
| ► Select | > | Moving to next level or selecting menu. |
| ↩ | RETURN | To exit the [Setup] menu or [ 5.1 Speaker Setup]. |
| ⊙ | ENTER | To confirm menu. |

## LANGUAGE

### Menu Language

Select a language for the Setup menu and then on screen display.

### Disc Audio / Disc Subtitle / Disc Menu

Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu.

**Original** – Refers to the original language in which the disc was recorded.

**Other –** To select another language, press numeric buttons and then **ENTER** to enter the corresponding 4-digit number according to the language code list on the page 29. If you enter the wrong language code, press **CLEAR**.

**Off (for Disc Subtitle)** – Turn off Subtitle.

## DISPLAY

### TV Aspect

Select which screen aspect to use based on the shape of your TV screen.

**4:3 –** Select when a standard 4:3 TV is connected.

**16:9 –** Select when a 16:9 wide TV is connected.

### Display Mode

The Display Mode setting works only when the TV Aspect mode is set to 4:3.

**Letterbox** – Displays a wide picture with bands on the upper and lower portions of the screen.

**Panscan** – Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit. (If the disc/file is not compatible with Pan Scan, the picture is displayed at Letterbox ratio.)

### Progressive Scan (For Component Video connections)

Selects whether the COMPONENT VIDEO(PROGRESSIVE SCAN) OUTPUT jacks output progressive signal. If your TV accepts progressive format signals, you will enjoy accurate color reproduction and high quality image by selecting [On]. If your TV does not accept progressive format signals, select [Off]. If you set Progressive Scan to [On] in error, you must reset the unit. First, remove the disc in the unit. Next, press and hold **STOP** for five seconds. The video output will be restored to the standard setting, and a picture will be visible on your TV.

## AUDIO

### DRC (Dynamic Range Control)

Make the sound clear when the volume is turned down (Dolby Digital only). Set to [On] for this effect.

### Vocal

Select [On] to mix karaoke channels into normal stereo.

This function is effective for multi-channel karaoke DVDs only.

### Semi Karaoke

When a chapter/ title/ track is fully finished, this function shows the score in the screen with a fanfare sound.

**On –** When you finished singing a score will appear on the screen.

**Off –** Fanfare and score do not appears on the screen.

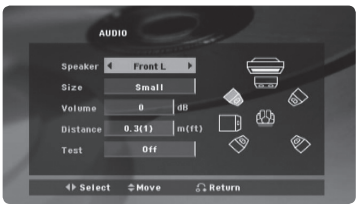
**NOTE**

- DVD, DVD Karaoke discs with more than 2 tracks are available discs for the this function.
- When you watch movies, "off " the Semi Karaoke at the SETUP menu or enjoy it without connecting the MIC if the fanfare or score appears during changing a chapter.

### 5.1 Speaker Setup

Make the following settings for the built-in 5.1 channel surrounds decoder.

1. Press **SETUP**.
2. Use ∧ ∨ to select AUDIO menu and then press >.
3. Use ∧ ∨ to select [5.1 Speaker setup] menu and then press >.
4. Press **ENTER**
   The [5.1 Speaker setup] appears.




5. Use < > to select the desired speaker.
6. Adjust options using ∧ ∨ < > buttons.
7. Press **RETURN** to confirm your selection. Return to the previous menu.

**Speaker selection**

Select a speaker that you want to adjust.

**NOTE**

Certain speaker settings are prohibited by the Dolby Digital licensing agreement.

**Size** – Since the speaker settings are fixed, you cannot change the settings.

**Volume** – Press < > to adjust the output level of the selected speaker.

**Distance** – After you connected speakers to your unit, set the Distance between the speakers and your listening point if the distance of Center or Rear speakers is bigger than the distance of Front speakers. This allows the sound from each speaker to reach the listener at the same time. Press < > to adjust the Distance of the selected speaker. This distance is equivalent to a difference of the distance between Center or Rear speaker and Front speakers.

**Test** – Press < > to test the signals of each speaker. Adjust the volume to match the volume of test signals memorized in the system.

## LOCK (Parental Control)

### Initial Setting the Area Code:

When you use this unit for the first time, you have to set the Area Code.

1. Select the [LOCK] menu and then press >.
2. Press >.
   To access the [LOCK] options, you must input the password you have created. Input a password and press **ENTER**. Enter it again and press **ENTER** to verify. If you make a mistake before pressing **ENTER**, press **CLEAR**.
3. Select the first character using ∧ ∨ buttons.
4. Press **ENTER** and select the second character using ∧ ∨ buttons.
5. Press **ENTER** to confirm your Area code selection.

### Rating

Blocks playback of rated DVDs based on their contents. Not all discs are rated.

1. Select [Rating] on the [LOCK] menu then press >.
2. Input a password and press **ENTER**.
3. Select a rating from 1 to 8 using the ∧ ∨ buttons.

   **Rating 1-8 –** Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.

   **Unlock** – If you select unlock, parental control is not active and the disc plays in full.
4. Press **ENTER** to confirm your rating selection.

### Password

You can enter or change password.

1. Select [Password] on the [LOCK] menu and then press >.
2. Input a password and press **ENTER**.

   To change the password, press **ENTER** when the [Change] option is highlighted. Input a password and press **ENTER**. Enter it again and press **ENTER** to verify.
3. Press **SETUP** to exit the menu.

**NOTE**

**If you forget your password, you can clear it using the following steps:**

1. Press **SETUP** to display the Setup menu.
2. Input the 6-digit number "210499" and press **ENTER**. The password is cleared.

### Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 30.

1. Select [Area Code] on the [LOCK] menu then press >.
2. Input a password and press **ENTER**.
3. Select the first character using ∧ ∨ buttons.
4. Press **ENTER** and select the second character using ∧ ∨ buttons.
5. Press **ENTER** to confirm your Area code selection.

## OTHERS

### DivX(R) VOD

We provide you with the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service.

For more information, visit www.divx.com/vod.

Press **ENTER** when [DivX(R) VOD] is highlighted and you can view the registration code of the unit.

**NOTE**

All the downloaded videos from DivX® VOD can only be played back on this unit.

# 4 Operation

## Basic Operations

1. Insert the disc by using the **OPEN/CLOSE** or connect the USB device to the USB port.
2. Select the DVD/CD or USB function by pressing **FUNCTION**.
3. Select a file (or track/ title) you want to play by pressing ∧ ∨ < >.

**NOTE**

When playing a disc or USB Flash Drive containing with DivX, MP3/ WMA and JPEG files together, you can select menu of files which you would like to play by pressing **MENU**. If "This file has non-supported type on the unit" pops up, select an appropriate file by pressing **MENU**.

| To | Do this |
|---|---|
| Stop | Press ■ |
| Playback | Press ▶ |
| Pause | Press **PAUSE/STEP** |
| Frame-by-Frame playback | Press **PAUSE/STEP** repeatedly to play title Frame-by-Frame. |
| Skipping to the next/ previous chapter/ track/ file | During playback, press ⏮ or ⏭ to go to the next chapter/track or to return to the beginning of the current chapter/track. Press ⏮ twice briefly to step back to the previous chapter/track. |
| Locating a point quickly by playing a file in fast forward or fast reverse | During playback, press ◀◀ or ▶▶ repeatedly to select the required scan speed. To return to normal speed, press **PLAY**. |
| Playing repeatedly or randomly | Press **REPEAT/RANDOM** repeatedly, and the current title, chapter or track will be played back repeatedly or randomly. - Random play mode : only music files. |
| Slowing down the playing speed | In the pause mode, press SLOW (◀◀ or ▶▶) to select the required speed. |

# Other Operations

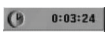
## Displaying Disc Information on-screen

You can display various information about the disc loaded on-screen.

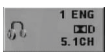
1. Press **DISPLAY** to show various playback information.
   The displayed items differ depending on the disc type or playing status.
2. You can select an item by pressing ∧ ∨ and change or select the setting by pressing < >.

Title – Current title number/ total number of titles.

Chapter – Current chapter number/ total number of chapters.



Time – Elapsed playing time.



Audio – Selected audio language or channel.

Subtitle – Selected subtitle.

Angle – Selected angle/total number of angles.

Sound – Selected sound mode

**NOTE**

If any button is not pressed for a few seconds, the onscreen display disappears.

## To display the DVD Menu DVD

When you play a DVD which contains several menus, you can select the menu you want using the Menu.

1. Press **MENU**.
   The disc's menu appears.
2. Select the menu by using ∧ ∨ < >.
3. Press **PLAY** to confirm.

## To display the DVD Title DVD

When you play a DVD which contains several titles, you can select the title you want using the Menu.

1. Press **TITLE**.
   The disc's title appears.
2. Select the menu by pressing ∧ ∨ < >.
3. Press **PLAY** to confirm.

## Selecting a subtitle language DVD DivX

During playback, press **SUBTITLE**( ) repeatedly to select a desired subtitle language.

## 1.5 times speed playback DVD

The 1.5 speed allows you to watch the pictures and listen to the sound quicker than playing at a normal speed.

1. During playback, press **PLAY**(▶) to play at 1.5 times speed. "▶X1.5" appears on the screen.
2. Press **PLAY**(▶) again to exit.

## Starting play from selected time DVD DivX

To start playing at any chosen time on the file or title.

1. Press **DISPLAY** during playback.
2. Press ∧ ∨ to select the time clock icon and "--:--:--" appears.
3. Input the required start time in hours, minutes, and seconds from left to right. If you enter the wrong numbers, press **CLEAR** to remove the numbers you entered. Then input the correct numbers.
   For example, to find a scene at 1 hour, 10 minutes, and 20 seconds, enter "11020" by using numerical buttons.
4. Press **ENTER** to confirm. Playback starts from the selected time.

## Last Scene Memory DVD

This unit memorizes the last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the player or switch off (Stand-by mode) the unit. If you load a disc that has the scene memorized, the scene is automatically recalled.

## Changing the character set to display DivX® subtitle correctly DivX

If the subtitle does not display properly during playback press and hold **SUBTITLE** for about 3 seconds then press < > or **SUBTITLE** to select another language code until the subtitle is displayed properly and then press **ENTER**.

## Programmed Playback ACD MP3 WMA

The program function enables you to store your favourite files from any disc or USB device in the receiver memory.

A program can contain 30 tracks/ files.

1. Select the DVD/CD or USB function by pressing **FUNCTION**.
2. To add a music(s) on the program list, press **PROG./MEMO.** to enter the program edit mode (E mark appears on the menu).
3. Select a desired music on the [List] by using the ∧ ∨ then press **ENTER** to add the music to the program list.
4. Select music from the program list then press **ENTER** to start programmed playback.

### Erasing a file from Program List

1. Use ∧ ∨ to select the track that you wish to erase from the Program list.
2. Press **CLEAR**.

### Erasing the Complete Program List

Use ∧ ∨ < > to select [Clear All] then press **ENTER**.

**NOTE**

The programs are also cleared when the disc or USB device is removed, the unit is switched to power off or the function is switched to others.

## Viewing a PHOTO file JPG

This unit can play discs with photo files.

1. Select the DVD/CD or USB function by pressing **FUNCTION**.
2. Press ∧ ∨ to select a folder, and then press **ENTER**.
   A list of files in the folder appears.
   If you are in a file list and want to return to the previous folder list, use the ∧ ∨ buttons on the remote to highlight ... and press **ENTER**.
3. If you want to view a particular file, press ∧ ∨ to highlight a file and press **ENTER** or **PLAY**. While viewing a file, you can press **STOP** to move to the previous menu (JPEG menu).

## Viewing photo files as a slide show JPG

1. Highlight the file (not folder) which you like beginning slide show.
2. Use ∧ ∨ < > to highlight the Speed. Then, use < > to select the (>/ >>/ >>>) option you want to use and then press **ENTER**.
3. Use ∧ ∨ < > to highlight the (Slide Show) then press **ENTER**.

**About help menu for slide show**

| Menu | Buttons | Operation |
|---|---|---|
| ▲/▼ | ∧/∨ | **Rotating the picture** |
| ⏮ / ⏭ **Prev./ Next** | </> | **Moving to another file** |
| ■ | STOP | **Closing the slide show** |
| ↩ | RETURN | **Hiding the help menu** |

## Listening to music during slide show JPG

You can listen to music during slide show, if the disc contain music and photo files together. Use ∧ ∨ < > to highlight ( ) icon then press **ENTER** to start slide show.

**NOTE**

This function is available only in disc.

## Sleep Timer Setting

Press **SLEEP** one or more times to select delay time between 10 and 180 minutes, after the unit will turn off.

To check the remaining time, press **SLEEP**.

To cancel the sleep function, press **SLEEP** repeatedly until "SLEEP 10" appears, and then press **SLEEP** once again while "SLEEP 10" is displayed.

**NOTE**

You can check the remaining time before the unit turns off.

## Dimmer

Press **SLEEP** once. The display window will be darken by half. To cancel it, press **SLEEP** repeatedly until dim off.

## Turn off the sound temporarily

Press **MUTE** to mute your unit.

You can mute your unit in order, for example, to answer the telephone, the "MUTE" displayed in the display window.

## Screen Saver

The screen saver appears when you leave the unit in Stop mode for about five minutes.

## System Select - Optional

You must select the appropriate system mode for your TV system. If "NO DISC" appears in the display window, press and hold **PAUSE/STEP** (❚❚) for more than five seconds to be able to select a system. (AUTO/ PAL/ NTSC)

# Radio Operations

Be sure that both FM and AM aerials are connected. (Refer to the page 15)

## Listening to the Radio

1. Press **FUNCTION** until FM or AM (MW) appears in the display window.
   The last received station is tuned in.
2. Press and hold **TUN.(-/+)** for about two seconds until the frequency indication starts to change, then release. Scanning stops when the unit tunes in a station.

   or

   Press **TUN.(-/+)** repeatedly.
3. Adjust the volume by rotating **VOL.** on the front panel or by pressing **VOL +** or **-** on the remote control repeatedly.

## Presetting the Radio Stations

You can preset 50 stations for FM and AM (MW).

Before tuning, make sure that you have turned down the volume.

1. Press **FUNCTION** until FM or AM (MW) appears in the display window.
2. Select the desired frequency by using **TUN.(-/+).**
3. Press **PROG./MEMO**. a preset number will flash in the display window.
4. Press **PRESET (-/+)** to select the preset number you want.
5. Press **PROG./MEMO.**
   The station is stored.
6. Repeat the steps 2 to 5 to store other stations.

## Deleting all the saved stations

1. Press and hold **PROG./MEMO.** for two seconds.
   "ERASE ALL" will flash up on the unit display.
2. Press **PROG./MEMO.** to erase all of the saved radio stations.

## Improving poor FM reception

Press **PLAY** (▶) (MO./ST.) on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

# Sound adjustment

## Setting the surround mode

This system has a number of pre-set surround sound fields. You can select a desired sound mode by using **EQ/ LG EQ.** You can change the **EQ/ LG EQ** using < > arrow key while the **EQ/ LG EQ** information is displayed on.

The displayed items for the Equalizer may be different depending on sound sources and effects.

| On Display | Description |
|---|---|
| NAT PLUS | You can enjoy the natural sound effect same as a 5.1-channel. |
| NATURAL | You can enjoy comfortable and natural sound. |
| Local Specialization equalizer | Regionally optimized sound effect. (DANGDUT/ ARABIC/ PERSIAN/ INDIA/ REGUETON/ MERENGUE/ SALSA/ SAMBA/ CUMBIA/ AFRO) |
| AUTO EQ | Realizes the sound equalizer that is the most similar to the genre of which is included in the MP3 ID3 tag of song files. |
| POP<br>CLASSIC<br>JAZZ<br>ROCK | This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock pop, jazz or classic concert. |
| MP3 OPT | This function is optimized for compressible MP3 file. It improves the treble sound. |
| BASS | During playback, reinforce the treble, bass and surround sound effect. |
| VIRTUAL | You can enjoy more virtual surround sound. |
| PLII MOVIE<br>PLII MUSIC | Dolby Pro Logic II enables you to play stereo source on 5.1-channel. |
| BYPASS | You can enjoy the sound without equalizer effect. |

**NOTE**

- In some of surround modes, on some speakers, there's no sound or low sound. it, depends on the mode of surround and the source of audio, it is not defective.
- You may need to reset the surround mode, after switching the input, sometimes even after the sound track changed.

# Advanced Operations

## Listening to music from your portable player or external device

The unit can be used to play the music from many types of portable player or external devices. (Refer to the page 14)

1. Connect the portable player to the P. IN(PORTABLE IN) connector of the unit.

   Or

   Connect the external device to the AUX connector of the unit.
2. Turn the power on by pressing **POWER.**
3. Select the PORTABLE or AUX function by pressing **FUNCTION.**
4. Turn the portable player or external device and start it playing.

## Recording to USB

1. Connect the USB device to the unit.
2. Select a DVD/ CD function by pressing **FUNCTION.**

   One track recording - You can record to USB after play you want file.

   All tracks recording - You can record to USB after stop.

   Program list recording - After moving to the programmed list and you can record it to USB.
3. Start the recording by pressing ● **REC**.
4. To stop recording, press ■ **STOP**.

**NOTE**

- You can check the recording percentage rate for the USB record on the screen during the recording.
- When you stop recording during playback, the file that has been recorded at that time will be stored.
- Do not remove the USB device or turn off the unit during USB recording. If not, an incomplete file may be made and not deleted on PC.
- If USB recording does not work, the message like "NO USB", "ERROR", "USB FULL" or "NO REC" is displayed on the display window.
- When you stop recording during playback, the file will not be stored.
- In the state CD-G, DTS disc USB record is not operated.
- You may not store more than 999 files.
- It'll be stored as TRK_001 on CD FOLDER.

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offense. This equipment should not be used for such purposes.

**Be responsible**
**Respect copyrights.**

# 5 Maintenance

## Handling the Unit

### When shipping the Unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

### Keeping the exterior surfaces clean

- Do not use volatile liquids such as insecticide spray near the unit.
- Wiping with strong pressure may damage the surface. Do not leave rubber or plastic products in contact with the unit for a long period of time.

### Cleaning the Unit

To clean the unit, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution.
Do not use strong solvents such as alcohol, benzene, or thinner, as these might damage the surface of the unit.

### Maintaining the Unit

The unit is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality could be diminished. For details, please contact your nearest authorized service center.

## Notes on Discs

### Handling Discs

Never stick paper or tape on the disc.

### Storing Discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

### Cleaning Discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.
Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

# 6 Troubleshooting

| PROBLEM | CAUSE | CORRECTION |
|---|---|---|
| No Power | The power cord is disconnected. | Plug the power cord into the wall outlet securely. |
| No Picture | The TV is not set to receive the DVD signal. | Select the appropriate video input mode on the TV so the picture from the DVD Receiver appears on the TV screen. |
| | The video cables are not connected securely. | Connect the video cables securely to both the TV and DVD Receiver. |
| There is little or no sound | Equipment connected via the audio cable is not set to receive DVD signal output. | Select the correct input mode of the audio receiver so you can hear the sound from the DVD receiver. |
| | The audio cables are not connected to the speakers or receiver securely. | Connect the audio cables into the connection terminals correctly. |
| | The audio cables are damaged. | Replace with a new audio cable. |
| The DVD picture quality is poor | The disc is dirty. | Clean the disc using a soft cloth with outward strokes. |
| A DVD/CD will not play | No disc is inserted. | Insert a disc. |
| | An unplayable disc is inserted. | Insert a playable disc (check the disc type, colour system and regional code). |
| | The disc is inserted upside down. | Place the disc with the label or printed side facing upwards. |
| | The menu is open on screen. | Press SETUP to close the menu screen. |
| | There is a parental lock which prevents the playback of DVDs with a certain rating. | Enter your password or change the rating level. |
| Humming noise heard while a DVD or CD is playing | The disc is dirty. | Clean the disc using a soft cloth with outward strokes. |
| | The DVD receiver is located too close to the TV, causing feedback. | Move DVD receiver and audio components further away from your TV. |
| Radio stations can't be tuned in properly | The antenna is positioned or connected poorly. | Check the antenna connection and adjust its position. |
| | | Attach an external aerial if necessary. |
| | The signal strength of the radio station is too weak. | Tune to the station manually. |
| | No stations have been preset or preset stations have been cleared (when tuning by scanning preset channels). | Preset some radio stations, see page 24 for details. |
| The remote control doesn't work well / at all | The remote is not pointed directly at the unit. | Point the remote directly at the unit. |
| | The remote is too far from the unit. | Use the remote within 23 feet (7m) of the DVD receiver. |
| | There is an obstacle in the path between the remote control and the unit. | Remove the obstacle. |
| | The battery in the remote control are flat. | Replace the battery with an new ones. |

# 7 Appendix

## Language Codes

Use this list to input your desired language for the following initial settings: Disc Audio, Disc Subtitle, Disc Menu.

| Language | Code | Language | Code | Language | Code | Language | Code |
|---|---|---|---|---|---|---|---|
| Afar | 6565 | French | 7082 | Lithuanian | 7684 | Singhalese | 8373 |
| Afrikaans | 6570 | Frisian | 7089 | Macedonian | 7775 | Slovak | 8375 |
| Albanian | 8381 | Galician | 7176 | Malagasy | 7771 | Slovenian | 8376 |
| Ameharic | 6577 | Georgian | 7565 | Malay | 7783 | Spanish | 6983 |
| Arabic | 6582 | German | 6869 | Malayalam | 7776 | Sudanese | 8385 |
| Armenian | 7289 | Greek | 6976 | Maori | 7773 | Swahili | 8387 |
| Assamese | 6583 | Greenlandic | 7576 | Marathi | 7782 | Swedish | 8386 |
| Aymara | 6588 | Guarani | 7178 | Moldavian | 7779 | Tagalog | 8476 |
| Azerbaijani | 6590 | Gujarati | 7185 | Mongolian | 7778 | Tajik | 8471 |
| Bashkir | 6665 | Hausa | 7265 | Nauru | 7865 | Tamil | 8465 |
| Basque | 6985 | Hebrew | 7387 | Nepali | 7869 | Telugu | 8469 |
| Bengali; Bangla | 6678 | Hindi | 7273 | Norwegian | 7879 | Thai | 8472 |
| Bhutani | 6890 | Hungarian | 7285 | Oriya | 7982 | Tonga | 8479 |
| Bihari | 6672 | Icelandic | 7383 | Panjabi | 8065 | Turkish | 8482 |
| Breton | 6682 | Indonesian | 7378 | Pashto, Pushto | 8083 | Turkmen | 8475 |
| Bulgarian | 6671 | Interlingua | 7365 | Persian | 7065 | Twi | 8487 |
| Burmese | 7789 | Irish | 7165 | Polish | 8076 | Ukrainian | 8575 |
| Byelorussian | 6669 | Italian | 7384 | Portuguese | 8084 | Urdu | 8582 |
| Chinese | 9072 | Javanese | 7487 | Quechua | 8185 | Uzbek | 8590 |
| Croatian | 7282 | Kannada | 7578 | Rhaeto-Romance | 8277 | Vietnamese | 8673 |
| Czech | 6783 | Kashmiri | 7583 | Rumanian | 8279 | Volapük | 8679 |
| Danish | 6865 | Kazakh | 7575 | Russian | 8285 | Welsh | 6789 |
| Dutch | 7876 | Kirghiz | 7589 | Samoan | 8377 | Wolof | 8779 |
| English | 6978 | Korean | 7579 | Sanskrit | 8365 | Xhosa | 8872 |
| Esperanto | 6979 | Kurdish | 7585 | Scots Gaelic | 7168 | Yiddish | 7473 |
| Estonian | 6984 | Laothian | 7679 | Serbian | 8382 | Yoruba | 8979 |
| Faroese | 7079 | Latin | 7665 | Serbo-Croatian | 8372 | Zulu | 9085 |
| Fiji | 7074 | Latvian, Lettish | 7686 | Shona | 8378 | | |
| Finnish | 7073 | Lingala | 7678 | Sindhi | 8368 | | |

# Area Codes

Choose a area code from this list.

| Area | Code | Area | Code | Area | Code |
|---|---|---|---|---|---|
| Afghanistan | AF | Hong Kong | HK | Poland | PL |
| Argentina | AR | Hungary | HU | Portugal | PT |
| Australia | AU | India | IN | Romania | RO |
| Austria | AT | Indonesia | ID | Russian Federation | RU |
| Belgium | BE | Israel | IL | Saudi Arabia | SA |
| Bhutan | BT | Italy | IT | Senegal | SN |
| Bolivia | BO | Jamaica | JM | Singapore | SG |
| Brazil | BR | Japan | JP | Slovak Republic | SK |
| Cambodia | KH | Kenya | KE | Slovenia | SI |
| Canada | CA | Kuwait | KW | South Africa | ZA |
| Chile | CL | Libya | LY | South Korea | KR |
| China | CN | Luxembourg | LU | Spain | ES |
| Colombia | CO | Malaysia | MY | Sri Lanka | LK |
| Congo | CG | Maldives | MV | Sweden | SE |
| Costa Rica | CR | Mexico | MX | Switzerland | CH |
| Croatia | HR | Monaco | MC | Taiwan | TW |
| Czech Republic | CZ | Mongolia | MN | Thailand | TH |
| Denmark | DK | Morocco | MA | Turkey | TR |
| Ecuador | EC | Nepal | NP | Uganda | UG |
| Egypt | EG | Netherlands | NL | Ukraine | UA |
| El Salvador | SV | Netherlands Antilles | AN | United States | US |
| Ethiopia | ET | New Zealand | NZ | Uruguay | UY |
| Fiji | FJ | Nigeria | NG | Uzbekistan | UZ |
| Finland | FI | Norway | NO | Vietnam | VN |
| France | FR | Oman | OM | Zimbabwe | ZW |
| Germany | DE | Pakistan | PK | | |
| Great Britain | GB | Panama | PA | | |
| Greece | GR | Paraguay | PY | | |
| Greenland | GL | Philippines | PH | | |



# Logos

# Specifications

**General**

| | |
|---|---|
| Power supply | Refer to main label. |
| Power consumption | Refer to main label. |
| Net Weight | 2.5 kg |
| External dimensions (W x H x D) | 360 x 65 x 320 mm |
| Bus Power Suply (USB) | DC 5V ⎓ 500mA |
| Operating conditions Temperature | 5°C to 35°C,<br>Operation status: Horizontal |
| Operating humidity | 5% to 85% |
| Laser | Semiconductor laser,<br>wavelength 650 nm |

**Tuner FM/AM [MW]**

| | |
|---|---|
| FM Tuning Range | 87.5 - 108.0 MHz or 87.50 - 108.00 MHz |
| FM Intermediate Frequency | 128 kHz |
| AM Tuning Range | 522 - 1,620 kHz, 520 - 1,710 kHz or<br>522 - 1,710kHz |
| AM Intermediate Frequency | 45 kHz |

**Amplifier**

| | |
|---|---|
| Stereo mode | 45 W + 45 W (4Ω at 1 kHz, THD 10 %) |
| Surround mode Front | 45 W + 45 W (THD 10 %) |
| Center | 45 W |
| Surround | 45 W + 45 W (4Ω at 1 kHz, THD 10 %) |
| Subwoofer | 75 W (8Ω at 30 Hz, THD 10 %) |

**Speakers**

| | Front/Rear/Center Speaker | Passive Subwoofer |
|---|---|---|
| **Type** | 1 Way 1 Speaker | 1 Way 1 Speaker |
| **Impedance** | 4 Ω | 8 Ω |
| **Rated Input Power** | 45 W | 75 W |
| **Max. Input Power** | 90 W | 150 W |
| **Net Dimensions (W x H x D)** | 103 x 111 x 94 mm | 156 x 325 x 320 mm |
| **Net Weight** | 0.39 kg | 3.6 kg |

Designs and specifications are subject to change without prior notice.

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As an ENERGY STAR® Partner, LG has determined that this product or product models meet the ENERGY STAR® guidelines for energy efficiency.

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